

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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April 15, 2013

07-LA-405-39.4/48.6

07-252004

Project ID 0712000074

ACIM-405-3(005)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN LOS ANGELES COUNTY IN LOS ANGELES FROM ROUTE 405/101 SEPARATION TO ROUTE 405/5 SEPARATION.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on May 30, 2013, instead of the original date of Thursday, April 18, 2013.

This addendum is being issued to set a new bid opening date as shown herein and revise the Project Plans, the Notice to Bidders and Special Provisions and the Bid Book.

Project Plan Sheets 2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 16, 17, 18, 21, 24, 28, 32-34, 37, 38, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 90, 91, 93, 95, 113, 126, 127, 128 and 129 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 5-1.12, "PAYMENTS," the following item is added to the first paragraph as follows:

"I. Precast prestressed concrete pavement."

In the Special Provisions, Section 10-1.25, "EXISTING HIGHWAY FACILITIES," subsection "ADJUST PULL BOX TO GRADE," is added as follows:

"ADJUST PULL BOX TO GRADE**General****Summary**

Adjust pull boxes to grade under Section 15-2.05, "Reconstruction," of the Standard Specifications and details shown on the plans.

Payment

Full compensation for adjust pull box to grade shall be considered as included in the contract price paid per cubic yard for minor concrete (miscellaneous construction) and no separate payment will be made therefor."

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In the Special Provisions, Section 10-1.25, "EXISTING HIGHWAY FACILITIES," subsection "REMOVE CHAIN LINK FENCE," is added as follows:

"REMOVE CHAIN LINK FENCE

Existing chain link fence, at the locations shown on the plans, shall be removed.
Full compensation for remove chain link fence shall be considered as included in the contract cost of all item of work and no separate payment will be made therefor."

In the Special Provisions, Section 10-1.33, "CRACK TREATMENT," is revised as attached.

In the Special Provisions, Section 10-1.38, "PRECAST PRESTRESSED CONCRETE PAVEMENT," subsection "GENERAL," subsection "Summary," the second paragraph is revised as follows:

"Set the layout and elevation of PPCP so that the profile and grade of the finished PPCP surface match the profile and grade of the existing roadway."

In the Special Provisions, Section 10-1.535, "ROADSIDE SIGN," is added as attached.

In the Bid book, in the "Bid Item List," Items 25, 26, 29, 35, 41, 47, 48, 61, 72, are revised, and Items 98 and 99 are added and Item 97 is deleted as attached.

To Bid book holders:

Replace pages 4, 5, 6 and 7 of the "Bid Item List" in the Bid book with the attached revised pages 4, 5, 6 and 7 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the Bid book.

Submit bids in the Bid book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This addendum and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/07/07-252004

If you are not a Bid book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,


MICHAEL MILES
District Director

Attachments

10-1.33 CRACK TREATMENT

GENERAL

Summary

This work includes treating cracks in asphalt concrete pavement including shoulders.
Crack treatment material must be for hot application.

Submittals

If your selected crack treatment material is on the Department's Pre-Qualified Products List, submit a Certificate of Compliance for crack treatment material under Section 6-1.07, "Certificates of Compliance," of the Standard Specifications. With the Certificate of Compliance, submit:

1. Manufacturer's name
2. Production location
3. Product brand or trade name
4. Product designation
5. Batch or lot number
6. Crack treatment material type
7. Contractor or subcontractor name
8. Contract number
9. Lot size
10. Shipment date
11. Manufacturer's signature

If your selected crack treatment material is not on the Department's Pre-Qualified Products List, submit a sample from each batch or lot to be used and test results for each sample 20 days before use. The test results must be from an independent testing laboratory and show compliance with the specifications and include the information specified for the Certificate of Compliance submittal. For hot-applied crack treatment material, submit a minimum 3-pound sample in a silicone release container.

With each delivery of crack treatment material to the job site, submit:

1. Manufacturer's heating and application instructions
2. Manufacturer's Materials Safety Data Sheet (MSDS)
3. Name of the manufacturer's recommended detackifier

Quality Control and Assurance

For hot-applied crack treatment material, at least once per project at a time chosen by the Engineer and in the Engineer's presence, collect two 3-pound minimum samples of crack treatment from the wand into silicone release boxes. Submit 1 sample to the Engineer.

MATERIALS

Crack treatment material must be Type 3 in compliance with:

Crack Treatment Material

Quality Characteristic ^a	ASTM Test Method ^b	Type 1 Material	Type 2 Material	Type 3 Material	Type 4 Material	Type 5 Material
Softening point (min.)	D 36	102 °C	96 °C	90 °C	84 °C	84 °C
Cone penetration at 77° F (max.)	D 5329	35	40	50	70	90
Resilience at 77° F, unaged, %	D 5329	20-60	25-65	30-70	35-75	40-80
Flexibility ^c	D 3111	0 °C	0 °C	0 °C	-11 °C	-28 °C
Tensile adhesion, %, (min.)	D 5329	300	400	400	500	500
Specific gravity (max.)	D 70	1.25	1.25	1.25	1.25	1.25
Asphalt compatibility	D 5329	Pass	Pass	Pass	Pass	Pass
Sieve test (percent passing)	See note d	100	100	100	100	100

Notes:

^a Cold-applied crack treatment material residue collected under ASTM D 6943, Method B and sampled under ASTM D 140 must comply with the grade specifications.

^b Except for viscosity, cure each specimen at a temperature of 23 °C ± 2 °C and relative humidity of 50 ± 10 percent for 24 ± 2 hours before testing.

^c For flexibility test, the specimen size must be 6.4 ± 0.2 mm thick x 25 ± 0.2 mm wide x 150 ± 0.5 mm long. Test mandrel diameter must be 6.4 ± 0.2 mm. Bend arc must be 180 degrees. Bend rate must be 2 ± 1 seconds. At least 4 of 5 test specimens must pass at the specified test temperature without fracture, crazing, or cracking.

^d For hot-applied crack treatment, dilute with toluene and sieve through a No. 8 sieve. For cold-applied crack treatment, sieve the product as-received through a No. 8 sieve. If the manufacturer provides a statement that added components passed the No. 16 sieve before blending, this requirement is void.

If crack treatment material is delivered to the job site in containers, each container must be marked with the following information. If crack treatment material is not delivered in containers, the following information must accompany the delivery:

1. Manufacturer's name
2. Production location
3. Product brand or trade name
4. Product designation
5. Crack treatment trade name
6. Batch or lot number
7. Maximum heating temperature
8. Expiration date for cold application only

Hot-applied crack treatment must be delivered to the job site premixed in cardboard containers with meltable inclusion liners or in a fully meltable package.

Sand applied to tacky crack treatment material must be clean, free of clay, and comply with:

Sand Gradation

Sieve Size	Percent Passing
No. 4	100
No. 50	0 - 30
No. 200	0 - 5

CONSTRUCTION

Treat cracks from 1/4 to 1 inch in width for the entire length of the crack. Fill or repair cracks wider than 1 inch as ordered.

Rout cracks or cut with a saw to form a reservoir. Construct the reservoir 1/4 inch wide and 2.5 inches deep.

Cracks must be clean and dry before treating. Before treating, blast cracks with oil-free compressed air at a pressure of at least 90 psi.

If the pavement temperature is below 40 °F or if there is evidence of moisture in the crack, use a hot air lance immediately before applying crack treatment. The hot air lance must not apply flame directly on the pavement.

Heat hot-applied crack treatment material in compliance with the manufacturer's instructions. Comply with the manufacturer's application instructions.

Insert crack treatment with a nozzle inserted into the crack. Fill the crack overbanded not more than 3 inches wide. If after 2 days the crack treatment is more than 1/4 inch below the specified level, or the sealant fails or the crack re-opens, re-treat the crack.

Immediately remove crack treatment material spilled or deposited on the pavement surface.

Before opening to traffic, apply sand or the manufacturer's recommended detackifying agent to tacky crack treatment material on the traveled way. Sweep excess sand before opening to traffic.

MEASUREMENT AND PAYMENT

Crack treatment is measured by the lane-mile. A lane-mile consists of a paved lane and any adjacent shoulders. The Engineer determines the quantity paid from actual measurements along the edge of each paved lane parallel with the pavement centerline.

The contract price paid per lane-mile for crack treatment includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in treating cracks, complete in place, including crack treatment of shoulders, applying sand and sweeping excess sand, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-1.535 ROADSIDE SIGNS

Roadside signs shall be furnished and installed at the locations shown on the plans or where designated by the Engineer and in conformance with the provisions in Section 56-2, "Roadside Signs," of the Standard Specifications and these special provisions.

The Contractor shall furnish roadside sign panels in conformance with the provisions in "Furnish Sign" of these special provisions.

Wood posts shall be pressure treated after fabrication in conformance with the provisions in Section 58, "Preservative Treatment of Lumber, Timber and Piling," of the Standard Specifications and AWPAs Use Category System: UC4A, Commodity Specification A or B.

BID ITEM LIST

07-252004

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	130		
22	150722	REMOVE PAVEMENT MARKER	EA	28,000		
23	150771	REMOVE ASPHALT CONCRETE DIKE	LF	550		
24	150812	REMOVE PIPE (LF)	LF	140		
25	025363	REPLACE UNDERLYING BASE	CY	2,100		
26	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	169,000		
27	153121	REMOVE CONCRETE (CY)	CY	12,300		
28	153130	REMOVE CONCRETE CURB (LF)	LF	750		
29	153247	REMOVE CONCRETE (MISCELLANEOUS) (CY)	CY	94		
30	155232	SAND BACKFILL	CY	29		
31	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
32	190101	ROADWAY EXCAVATION	CY	18,200		
33 (F)	025364	STRUCTURE EXCAVATION (AUSTIN VAULT)	CY	2,180		
34 (F)	025365	FILTER MEDIA (SAND BED)	CY	130		
35 (F)	025366	STRUCTURE BACKFILL (AUSTIN VAULT)	CY	340		
36	198010	IMPORTED BORROW (CY)	CY	5		
37	200114	ROCK BLANKET	SQYD	8		
38	260210	AGGREGATE BASE (APPROACH SLAB)	CY	64		
39	280015	LEAN CONCRETE BASE RAPID SETTING	CY	18,200		
40	374207	CRACK TREATMENT	LNMI	75		

BID ITEM LIST

07-252004

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	390095	REPLACE ASPHALT CONCRETE SURFACING	CY	1,220		
42	390136	MINOR HOT MIX ASPHALT	TON	8		
43	390301	RUBBERIZED HOT MIX ASPHALT, SUPERPAVE (GAP GRADED)	TON	23,000		
44	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
45	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	280		
46	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	220		
47	397005	TACK COAT	TON	230		
48	025367	PRECAST PRESTRESSED CONCRETE PAVEMENT	CY	13,100		
49	404092	SEAL PAVEMENT JOINT	LF	6,430		
50	404093	SEAL ISOLATION JOINT	LF	19,800		
51	410090	DOWEL BAR RETROFIT	EA	1,050		
52	411105	INDIVIDUAL SLAB REPLACEMENT (RSC)	CY	350		
53	413113	REPAIR SPALLED JOINTS, POLYESTER GROUT	SQYD	500		
54	420201	GRIND EXISTING CONCRETE PAVEMENT	SQYD	334,000		
55	510087	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	CY	650		
56 (F)	025368	STRUCTURAL CONCRETE (AUSTIN VAULT)	CY	412		
57 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	20.5		
58	510800	PAVING NOTCH EXTENSION	CF	780		
59	519081	JOINT SEAL (MR 1/2")	LF	1,010		
60 (F)	520101	BAR REINFORCING STEEL	LB	111,133		

BID ITEM LIST
07-252004

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	650010	12" REINFORCED CONCRETE PIPE	LF	3		
62	650014	18" REINFORCED CONCRETE PIPE	LF	9		
63	650018	24" REINFORCED CONCRETE PIPE	LF	250		
64	025369	6" PERFORATED PLASTIC PIPE UNDERDRAIN (AUSTIN VAULT)	LF	230		
65	025370	6" PLASTIC PIPE UNDERDRAIN (AUSTIN VAULT)	LF	56		
66	025371	PERMEABLE MATERIAL (STORMWATER)	CY	130		
67	705509	12" AUTOMATIC DRAINAGE GATE	EA	1		
68	707217	36" PRECAST CONCRETE PIPE MANHOLE	LF	16		
69	722020	GABION	CY	16		
70	025372	FILTER FABRIC (STORMWATER)	SQYD	290		
71	730020	MINOR CONCRETE (CURB) (CY)	CY	17		
72	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	110		
73	731656	CURB RAMP DETECTABLE WARNING SURFACE	SQFT	220		
74 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	470		
75 (F)	025373	MISCELLANEOUS METAL (AUSTIN VAULT)	LB	115		
76	820118	GUARD RAILING DELINEATOR	EA	49		
77	832003	METAL BEAM GUARD RAILING (WOOD POST)	LF	1,090		
78	832070	VEGETATION CONTROL (MINOR CONCRETE)	SQYD	350		
79 (F)	839521	CABLE RAILING	LF	293		
80	839541	TRANSITION RAILING (TYPE WB)	EA	6		

BID ITEM LIST
07-252004

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	025374	TRANSITION RAILING (TYPE SP)	EA	2		
82	839555	END CAP	EA	2		
83	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2		
84	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	5		
85	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	4		
86	840504	4" THERMOPLASTIC TRAFFIC STRIPE	LF	251,000		
87	840506	8" THERMOPLASTIC TRAFFIC STRIPE	LF	14,800		
88	840508	8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	LF	5,850		
89	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	6,730		
90	840525	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	223,000		
91	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	18,600		
92	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	9,440		
93	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
94	860807	INDUCTIVE LOOP DETECTOR (LS)	LS	LUMP SUM	LUMP SUM	
95	861088	MODIFY RAMP METERING SYSTEM	LS	LUMP SUM	LUMP SUM	
96	861504	MODIFY LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
97	BLANK					
98	566011	ROADSIDE SIGN - ONE POST	EA	2		
99	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$ _____